WHAT IS CLAIMED IS:

- A thermal transfer ribbon for forgery and counterfeit prevention comprising:
 a substrate film;
- a heat-resistant layer coated on one surface of said substrate film for preventing thermofusibility between the substrate and a thermal transfer head;

one or more than one thermofusible ink layer, or one or more than one thermofusible ink layer and one or more than one protective layer coated on the other surface of said substrate film just by one layer; and

- if necessary one or more than one sublimable dye layer, wherein said thermofusible ink layer and/or said protective layer contain luminescence, invisible fluorescence or mixture thereof.
- 2. The thermal transfer ribbon as defined in claim 1, wherein said ribbon comprises:

one or more than one thermofusible ink layer;

one or more than one thermofusible ink layer and one or more than one protective layer;

one or more than one thermofusible ink layer and one or more than one.

20 sublimable dye layer; or

one or more than one thermofusible ink layer, one or more than one protective layer and one or more than one sublimation ink layer on the other surface of said substrate film just by one layer.

- 3. The thermal transfer ribbon as defined in claim 1, wherein said thermofusible ink layer contains luminescence, invisible fluorescence or mixture thereof.
- 4. The thermal transfer ribbon as defined in claim 3, wherein the content of the luminescence, invisible fluorescence or mixture thereof is in the range of 0.5-50 weight % based on the total weight of said thermofusible ink layer.
 - 5. The thermal transfer ribbon as defined in claim 1, wherein said ribbon contains one or more than one protective layer wherein said protective layer contains luminescence, invisible fluorescence or mixture thereof.
 - 6. The thermal transfer ribbon as defined in claim 5, wherein the content of the luminescence, invisible fluorescence or mixture thereof is in the range of 0.5-50 weight % based on the total weight of said protective layer.

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